Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/15/2020 10:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124799	-1	2.88	124912	2.83
Blue	F	SSC	125000	124611	-1	1.72	125267	1.66
Blue	E	FITC	15892	15438	-3	2.92	337	21.45
Blue	D	PE	29999	29206	-3	1.97	636	15.39
Blue	B	PerCP-Cy5-5	43732	43500	-1	3.85	1162	21.63
Blue	A	PE-Cy7	30845	30779	-1	6.44	583	42.73
Red	C	APC	46112	44796	-3	2.52	1582	12.40
Red	A	APC-Cy7	30458	29449	-4	2.43	778	12.49
Violet	B	V450	7918	7602	-4	4.18	434	13.66
Violet	A	V500	32171	31585	-2	3.95	740	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17168	16.48	651	30	N/A	N/A	Pass
Blue	F	SSC	57305	1.26	582	23	N/A	N/A	Pass
Blue	E	FITC	61	68.96	551	8	0.0175	176	Pass
Blue	D	PE	133	52.61	557	9	0.1529	296	Pass
Blue	B	PerCP-Cy5-5	214	53.73	665	9	0.0081	80	Pass
Blue	A	PE-Cy7	106	112.20	711	13	0.0103	32	Pass
Red	C	APC	378	25.72	591	7	0.0231	131	Pass
Red	A	APC-Cy7	171	29.86	562	6	0.0050	900	Pass
Violet	B	V450	66	63.54	468	10	0.0481	2384	Pass
Violet	A	V500	110	38.34	484	10	0.0239	1567	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.48	-32.01	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.44
Red	14.75	13.60 - 20.40	N/A	N/A	29.30	29.75	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9596

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments